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(21)Application number : 60-024128 (71)Applicant : FUJIKURA LTD
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(54) PRODUCTION OF GLASS CAPILLARY

(57)Abstract:

PURPOSE: To obtain a capillary for chromatography contg. a stationary phase with sufficient adhesive power and having a long life and high resolution by sintering a round rod-shaped preform of glass soot formed by a VAD method in the presence of a specified gas and by boring the resulting base material.

CONSTITUTION: A round rod-shaped porous preform of SiO₂ glass soot is formed on the tip of a starting rod by a VAD method, and it is sintered in an atmosphere of a gas contg. S and halogen such as SOCl₂ or S₂Cl₂ mixed with an inert gas such as N₂. A gas contg. S such as SO₂, SO₃ or other S oxide and a gas contg. halogen such as Cl₂, Br₂ or F₂ may be used in place of the gas contg. S and halogen. The resulting sintered body is bored to form a cylindrical glass pipe and a glass capillary is obt'd. by melt-spinning the pipe.

LEGAL STATUS

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